

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L7</u>	L6 not l5	9	<u>L7</u>
<u>L6</u>	l1 and l2	21	<u>L6</u>
<u>L5</u>	l1 and L4	12	<u>L5</u>
<u>L4</u>	l2 same L3	26	<u>L4</u>
<u>L3</u>	safen\$4 or antidot\$6	7440	<u>L3</u>
<u>L2</u>	Isoxadifen or (dihydro adj3 diphenyl adj3 (isoxazolecarboxyl\$3 or (oxazol\$2 adj2 carboxyl\$3)))	44	<u>L2</u>
<u>L1</u>	Isoxaflutole or rpa201772 or (rpa 201772) or (Cyclopropyl adj3 (oxazol\$2 or isoxazol\$2) adj5 ( (((trifluoro or trifluoromethyl) near2 (mesyl or methylsulfonyl or methylsulphonyl)) adj2 (phenyl or tolyl) adj (methanone or ketone)) or ((mesyl or methylsulfonyl or methylsulphonyl) adj2 (trifluoromethylphenylmethanone or trifluoromethylphenylketone or (trifluoromethyl adj phenyl adj (methanone or ketone)) or (trifluoromethylphenyl (methanone or ketone)) ) ) or ((mesyltrifluoromethylphenyl or methylsulfonyltrifluoromethylphenyl or methylsulphonyltrifluoromethylphenyl) adj (methanone or ketone))) ) or (cyclopropyl adj3 (mesyl or methylsulfonyl or methylsulphonyl) adj2 (trifluoromethylbenzoylisoxazol\$2 or (trifluoromethylbenzoyl adj isoxazol\$2) or (trifluoromethyl adj (benzoylisoxazol\$2 or (benzoyl isoxazol\$2))))))	306	<u>L1</u>

END OF SEARCH HISTORY

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**Search Results - Record(s) 1 through 10 of 12 returned.**☐ 1. Document ID: US 20030176284 A1

L5: Entry 1 of 12

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030176284

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030176284 A1

TITLE: Herbicide combination with acylated aminophenylsulfonyleureas

PUBLICATION-DATE: September 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hacker, Erwin	Hochheim		DE	
Bieringer, Hermann	Eppstein		DE	
Krahmer, Hansjorg	Hofheim		DE	

US-CL-CURRENT: 504/134

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc	Image								

R00C

☐ 2. Document ID: US 20030087761 A1

L5: Entry 2 of 12

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030087761

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030087761 A1

TITLE: Synergistic active compound combinations for controlling harmful plants

PUBLICATION-DATE: May 8, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ahrens, Hartmut	Frankfurt		DE	
Dietrich, Hansjorg	Hofheim		DE	
Willms, Lothar	Hofheim		DE	
Hacker, Erwin	Hochheim		DE	
Bieringer, Hermann	Eppstein		DE	

US-CL-CURRENT: 504/133

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 3. Document ID: US 20030060367 A1

L5: Entry 3 of 12

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030060367

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030060367 A1

TITLE: Herbicide combinations comprising specific sulfonylureas

PUBLICATION-DATE: March 27, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bieringer, Hermann	Eppstein		DE	
Huff, Hans Philipp	Eppstein		DE	
Hacker, Erwin	Hochheim		DE	

US-CL-CURRENT: 504/133; 504/134, 504/136

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 4. Document ID: US 20020055435 A1

L5: Entry 4 of 12

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055435

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020055435 A1

TITLE: Herbicidal mixtures

PUBLICATION-DATE: May 9, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Baltruschat, Helmut Siegfried	Schweppenhausen		DE	
Brandt, Astrid	Mainz		DE	

US-CL-CURRENT: 504/103; 504/104, 504/105, 504/106, 504/107, 504/108, 504/109,  
504/110, 504/111, 504/112

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 5. Document ID: WO 2003047346 A1 DE 10159659 A1

L5: Entry 5 of 12

File: DWPI

Jun 12, 2003

DERWENT-ACC-NO: 2003-541517

DERWENT-WEEK: 200351

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TITLE: Herbicidal composition, especially for selective weed control in crops such as cereals, containing N-sulfonyl-anilide derivative and another herbicide, e.g. bromoxynil, and/or safener, e.g. mefenpyr-diethyl

INVENTOR: ANDREE, R; DAHMEN, P ; DREWES, M W ; FEUCHT, D ; LINKER, K ; PONTZEN, R

PRIORITY-DATA: 2001DE-1059659 (December 5, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 2003047346 A1	June 12, 2003	G	135	A01N043/54
DE 10159659 A1	June 26, 2003		000	A01N043/707

INT-CL (IPC): A01 N 43/54; A01 N 43/653; A01 N 43/707

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Clip Img	Image								

☐ 6. Document ID: DE 10129856 A1 WO 2003000058 A1

L5: Entry 6 of 12

File: DWPI

Jan 2, 2003

DERWENT-ACC-NO: 2003-383129

DERWENT-WEEK: 200337

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TITLE: Synergistic herbicidal composition, especially for selective weed control in crops such as wheat, contains bis-pyrimidinyloxy-benzoic acid derivative, triazolone derivative and another herbicide e.g. acetochlor

INVENTOR: DAHMEN, P; DREWES, M W ; FEUCHT, D ; FUERSCH, H ; KREMER, M ; PONTZEN, R ; WELLMANN, A

PRIORITY-DATA: 2001DE-1029856 (June 21, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 10129856 A1	January 2, 2003		021	A01N043/54
WO 2003000058 A1	January 3, 2003	G	000	A01N043/54

INT-CL (IPC): A01 N 43/54; A01 N 43/653; A01 N 47:38; A01 N 47:36; A01 N 47:30; A01 N 43:90; A01 N 43:707; A01 N 43:653 ; A01 N 43:50; A01 N 43:40; A01 N 43/54; A01 N 41:10; A01 N 25:32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Clip Img	Image								

☐ 7. Document ID: WO 200271845 A1 DE 10112104 A1

L5: Entry 7 of 12

File: DWPI

Sep 19, 2002

DERWENT-ACC-NO: 2002-691779

DERWENT-WEEK: 200355

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TITLE: Synergistic herbicidal composition, especially for selective weed control in crops such as rice, containing aryl ketone derivative, another herbicide, e.g. acetochlor, and optionally safener

INVENTOR: DAHMEN, P; DREWES, M ; FEUCHT, D ; GOTO, T ; LEHR, S ; MUELLER, K ;  
PONTZEN, R ; SCHWARZ, H ; SHIRAKURA, S ; DREWES, M W

PRIORITY-DATA: 2001DE-1012104 (March 14, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200271845 A1	September 19, 2002	G	121	A01N043/80
DE 10112104 A1	September 26, 2002		000	A01N043/36

INT-CL (IPC): A01 N 43/34; A01 N 43/36; A01 N 43/48; A01 N 43/50; A01 N 43/54; A01 N 43/64; A01 N 43/653; A01 N 43/713; A01 N 43/72; A01 N 43/74; A01 N 43/80; A01 N 43/84; A01 N 43/86; A01 N 43/88; A01 N 61:00; A01 N 61:00; A01 N 61:00; A01 N 61:00; A01 N 61:00; A01 N 43/80; A01 N 43/713; A01 N 43/653; A01 N 43/54; A01 N 43/50

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	RMC
Draw Desc	Clip Img	Image								

☐ 8. Document ID: CN 1407854 A DE 19958381 A1 WO 200139597 A2 AU 200126691 A  
BR 200016120 A KR 2002059758 A EP 1278413 A2 JP 2003517473 W

L5: Entry 8 of 12

File: DWPI

Apr 2, 2003

DERWENT-ACC-NO: 2001-433869

DERWENT-WEEK: 200345

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TITLE: Synergistic herbicidal composition useful for selective weed control in crops, e.g. barley or maize, containing N-phenyl-uracil derivative, another herbicide, e.g. acetochlor, and optionally safener

INVENTOR: ANDREE, R; DAHMEN, P ; DREWES, M W ; FEUCHT, D ; KRAUSKOPF, B ; KREMER, M  
; PONTZEN, R ; WETCHOLOWSKY, I ; DREWES, M

PRIORITY-DATA: 1999DE-1058381 (December 3, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1407854 A	April 2, 2003		000	A01N043/54
DE 19958381 A1	June 7, 2001		038	A01N043/54
WO 200139597 A2	June 7, 2001	G	000	A01N043/54
AU 200126691 A	June 12, 2001		000	A01N043/54
BR 200016120 A	August 27, 2002		000	A01N043/54
KR 2002059758 A	July 13, 2002		000	A01N043/54
EP 1278413 A2	January 29, 2003	G	000	A01N043/54
JP 2003517473 W	May 27, 2003		159	A01N043/54

INT-CL (IPC): A01 N 25/32; A01 N 33/18; A01 N 33/20; A01 N 33:18; A01 N 37/20; A01 N 37/22; A01 N 39/04; A01 N 41/10; A01 N 43/00; A01 N 43/42; A01 N 43/50; A01 N 43/54; A01 N 43/56; A01 N 43/64; A01 N 43/653; A01 N 43/70; A01 N 43/707; A01 N 43/76; A01 N 43/78; A01 N 43/80; A01 N 43/824; A01 N 43/84; A01 N 47/34; A01 N 47/36; A01 N 47/38; A01 N 57/20; A01 N 57/30; A01 N 37:22; A01 N 39:04; A01 N 43/54; A01 N 43:50;

A01 N 43:653; A01 N 43:70; A01 N 43:707; A01 N 43:80; A01 N 43:824; A01 N 47:36; A01 N 47:38; A01 N 57:20; A01 N 57:20; A01 N 47:38; A01 N 47:36; A01 N 43:824; A01 N 43:80; A01 N 43:707; A01 N 43:70; A01 N 43:653; A01 N 43:50; A01 N 43/54; A01 N 39:04; A01 N 37:22; A01 N 33:18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 9. Document ID: ZA 200202889 A DE 19960778 A1 WO 200135740 A2 AU 200110287 A BR 200015668 A CZ 200201693 A3

L5: Entry 9 of 12

File: DWPI

Jun 25, 2003

DERWENT-ACC-NO: 2001-458241

DERWENT-WEEK: 200348

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TITLE: Synergistic herbicidal composition useful for selective weed control in crops, especially cereals, comprises pyridine derivative, another herbicide, e.g. flufenacet, and optionally safener and/or further herbicide

INVENTOR: DAHMEN, P; FEUCHT, D ; KRAUSKOPF, B ; KREMER, M ; WELLMANN, A

PRIORITY-DATA: 1999DE-1055128 (November 17, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ZA 200202889 A	June 25, 2003		067	A01N000/00
DE 19960778 A1	May 23, 2001		014	A01N043/40
WO 200135740 A2	May 25, 2001	G	000	A01N043/40
AU 200110287 A	May 30, 2001		000	A01N043/40
BR 200015668 A	July 23, 2002		000	A01N043/40
CZ 200201693 A3	August 14, 2002		000	A01N043/40

INT-CL (IPC): A01 N 0/00; A01 N 25/32; A01 N 37/22; A01 N 43/40; A01 N 43/56; A01 N 43/653; A01 N 43/707; A01 N 43/713; A01 N 43/78; A01 N 43/824; A01 N 47/00; A01 N 47/36; A01 N 47/38; A01 N 37:22; A01 N 37:22; A01 N 43/40; A01 N 43/56; A01 N 43:56; A01 N 43:56; A01 N 43:707; A01 N 43:707; A01 N 43:713; A01 N 43:713; A01 N 43:78; A01 N 43:78; A01 N 43:824; A01 N 43:824; A01 N 47:36; A01 N 47:36; A01 N 47:38; A01 N 47:38

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 10. Document ID: ZA 200202759 A DE 19960918 A1 WO 200135741 A2 AU 200110294 A BR 200015701 A EP 1233672 A2 CZ 200201728 A3 CN 1391439 A HU 200203400 A2

L5: Entry 10 of 12

File: DWPI

Jun 25, 2003

DERWENT-ACC-NO: 2001-443205

DERWENT-WEEK: 200348

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TITLE: Synergistic herbicidal composition useful for selective weed control in crops, especially cereals, containing tritosulfuron, and other specific herbicides, e.g. flufenacet, and optionally safener and/or further herbicide

INVENTOR: DAHMEN, P; FEUCHT, D ; KRAUSKOPF, B ; KREMER, M ; WELLMANN, A

PRIORITY-DATA: 1999DE-1055407 (November 18, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ZA 200202759 A	June 25, 2003		059	A01N000/00
DE 19960918 A1	May 23, 2001		012	A01N047/36
WO 200135741 A2	May 25, 2001	G	000	A01N047/36
AU 200110294 A	May 30, 2001		000	A01N047/36
BR 200015701 A	July 23, 2002		000	A01N047/36
EP 1233672 A2	August 28, 2002	G	000	A01N047/36
CZ 200201728 A3	October 16, 2002		000	A01N047/36
CN 1391439 A	January 15, 2003		000	A01N047/36
HU 200203400 A2	March 28, 2003		000	A01N047/36

INT-CL (IPC): A01 N 0/00; A01 N 39/00; A01 N 43/00; A01 N 47/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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11 and L4	12

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- ☐ 11. Document ID: DE 19947918 A1 EP 1221844 A2 WO 200124633 A2 AU 200077812 A

L5: Entry 11 of 12

File: DWPI

Apr 12, 2001

DERWENT-ACC-NO: 2001-357085

DERWENT-WEEK: 200254

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TITLE: Synergistic herbicidal composition useful for selective weed control in crops, especially cereals, containing bis-pyrimidinyloxy-benzoic acid derivative, another herbicide, e.g. acetochlor, and optionally safener

INVENTOR: FEUCHT, D; FUERSCH, H ; KREMER, M ; WELLMANN, A

PRIORITY-DATA: 1999DE-1047918 (October 6, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19947918 A1	April 12, 2001		016	A01N043/54
EP 1221844 A2	July 17, 2002	G	000	A01N043/00
WO 200124633 A2	April 12, 2001	G	000	A01N043/00
AU 200077812 A	May 10, 2001		000	A01N043/00

INT-CL (IPC): A01 N 43/00; A01 N 43/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
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- ☐ 12. Document ID: JP 2003510258 W DE 19962017 A1 WO 200122819 A1 AU 200075198 A BR 200014670 A CZ 200201141 A3 EP 1221848 A1 KR 2002035601 A HU 200202780 A2 CN 1378424 A

L5: Entry 12 of 12

File: DWPI

Mar 18, 2003

DERWENT-ACC-NO: 2001-382758

DERWENT-WEEK: 200321

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TITLE: Synergistic herbicidal agents containing N-aryl-triazolinone and N-aryl-triazolinethione derivatives, useful for selective weed control in crops

INVENTOR: DAHMEN, P; DREWES, M W ; FEUCHT, D ; HAAS, W ; KRAUSKOPF, B ; KREMER, M ; PONTZEN, R ; WELLMANN, A ; DREWES, M

PRIORITY-DATA: 1999DE-1046855 (September 30, 1999)

## PATENT-FAMILY:



PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003510258 W	March 18, 2003		068	A01N043/653
DE 19962017 A1	April 5, 2001		014	A01N043/653
WO 200122819 A1	April 5, 2001	G	000	A01N043/653
AU 200075198 A	April 30, 2001		000	A01N043/653
BR 200014670 A	June 18, 2002		000	A01N043/653
CZ 200201141 A3	June 12, 2002		000	A01N043/653
EP 1221848 A1	July 17, 2002	G	000	A01N043/653
KR 2002035601 A	May 11, 2002		000	A01N043/653
HU 200202780 A2	December 28, 2002		000	A01N043/653
CN 1378424 A	November 6, 2002		000	A01N043/653

INT-CL (IPC): A01 N 25/32; A01 N 37/20; A01 N 43/653; A01 N 49/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
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Terms	Documents
11 and L4	12

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L5: Entry 12 of 12

File: DWPI

Mar 18, 2003

DERWENT-ACC-NO: 2001-382758

DERWENT-WEEK: 200321

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TITLE: Synergistic herbicidal agents containing N-aryl-triazolinone and  
N-aryl-triazolinethione derivatives, useful for selective weed control in crops

INVENTOR: DAHMEN, P; DREWES, M W ; FEUCHT, D ; HAAS, W ; KRAUSKOPF, B ; KREMER, M ;  
PONTZEN, R ; WELLMANN, A ; DREWES, M

PATENT-ASSIGNEE: BAYER AG (FARB)

PRIORITY-DATA: 1999DE-1046855 (September 30, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003510258 W	March 18, 2003		068	A01N043/653
DE 19962017 A1	April 5, 2001		014	A01N043/653
WO 200122819 A1	April 5, 2001	G	000	A01N043/653
AU 200075198 A	April 30, 2001		000	A01N043/653
BR 200014670 A	June 18, 2002		000	A01N043/653
CZ 200201141 A3	June 12, 2002		000	A01N043/653
EP 1221848 A1	July 17, 2002	G	000	A01N043/653
KR 2002035601 A	May 11, 2002		000	A01N043/653
HU 200202780 A2	December 28, 2002		000	A01N043/653
CN 1378424 A	November 6, 2002		000	A01N043/653

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM  
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US  
UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL  
OA PT SD SE SL SZ TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC  
MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2003510258W	September 18, 2000	2000WO-EP09089	
JP2003510258W	September 18, 2000	2001JP-0526045	
JP2003510258W		WO 200122819	Based on
DE 19962017A1	December 22, 1999	1999DE-1062017	
WO 200122819A1	September 18, 2000	2000WO-EP09089	
AU 200075198A	September 18, 2000	2000AU-0075198	
AU 200075198A		WO 200122819	Based on
BR 200014670A	September 18, 2000	2000BR-0014670	
BR 200014670A	September 18, 2000	2000WO-EP09089	
BR 200014670A		WO 200122819	Based on
CZ 200201141A3	September 18, 2000	2000WO-EP09089	
CZ 200201141A3	September 18, 2000	2002CZ-0001141	
CZ 200201141A3		WO 200122819	Based on
EP 1221848A1	September 18, 2000	2000EP-0964190	
EP 1221848A1	September 18, 2000	2000WO-EP09089	
EP 1221848A1		WO 200122819	Based on
KR2002035601A	March 15, 2002	2002KR-0703469	
HU 200202780A2	September 18, 2000	2000WO-EP09089	
HU 200202780A2	September 18, 2000	2002HU-0002780	
HU 200202780A2		WO 200122819	Based on
CN 1378424A	September 18, 2000	2000CN-0813735	

INT-CL (IPC): A01 N 25/32; A01 N 37/20; A01 N 43/653; A01 N 49/00

ABSTRACTED-PUB-NO: DE 19962017A

BASIC-ABSTRACT:

NOVELTY - N-Aryl-triazolinones and N-aryl-triazolinethiones form synergistic combinations with known herbicides.

DETAILED DESCRIPTION - A herbicidal agent contains: (a) one or more N-aryl-triazolinones and/or N-aryl-triazolinethiones of formula (I); (b) one or more herbicides from acetochlor, acifluorfen sodium, aclonifen, alachlor, ametryn, amidosulfuron, amitrol, atrazin, azimsulfuron, azafenidin, beflutamid, benazolin, benfluralin, bensulfuron, benzfendizone, benzobicyclon, benzoylprop-ethyl, bentazon, bifenox, bispyribac-sodium, bromobutide, bromofenoxim, bromoxynil, butachlor, butafenacil-allyl, butoxydim, butylate, cafenstrole, caloxydim (tepraloxym), carfentrazone-ethyl, chlormethoxyfen, chloramben, chlorimuronethyl, chlornitrofen, chlorsulfuron, chlortoluron, cinidon-ethyl, cinosulfuron, clefoxydim, clodinafop-propargyl, clopyralid, cloransulam-methyl, cyanazine, cyclosulfamuron, cycloxydim, cyhalofop-butyl, 2,4-D, dicamba, dichlorprop-P, diclofop-methyl, diclosulam, difenzoquat, diflufenican, diflufenzopyr, dimepiperate, dimethenamid, dimexyflam, dinitramine, diquat, dithiopyr, diuron, epropodan, EPTC, esprocarb, ethalfluralin, ethoxyfen, ethoxysulfuron, fenoxaprop-(P)-ethyl, fentrazamid, flamprop-isopropyl, flamprop-isopropyl-L, flamprop-methyl, florasulam, fluazifop, fluazifop-butyl, fluazifop-P-butyl, fluzolate, flufenacet, flumetsulam, flumiclorac-pentyl, flumioxazin, flumipropyn, fluoroglyphofen-ethyl, flupoxam, flupropacil, flupyrsulfuron-methyl-sodium, flurenol, fluroxypyr, fluroxypyr-butoxypropyl, fluroxypyr-meptyl, flurtamone, fluthiacetmethyl, fomesafen, glufosinate, glufosinate-ammonium, glyphosate, glyphosate-isopropylammonium, halosulfuron-methyl, haloxyfop, haloxyfop-methyl, haloxyfop-P-methyl, haloxyfop-ethoxyethyl, haloxyfop-butyl, hexazinone, imazamethabenz-methyl, imazamethapyr, imazamox, imazaduin, imazethapyr, imazosulfuron, iodosulfuron-methyl-sodium, ioxynil, isoproturin, isoxaben, isoxaflutole, isoxapyrifop, lactofen, linuron, MCPA, mecoprop, mefenacet, mesotrione, metamitron, metazachlor, metobenzuron, metobromuron, metolachlor, S- metolachlor, metosulam, metoxuron, metribuzin, metsulfuron-methyl, molinate, naproanilide, neburon, nicosulfuron, orbencarb, oryzalin, oxadiargyl, oxadiazon, oxasulfuron,

oxaziclomefone, oxyfluorfen, paraquat, pendimethalin, pendralin, picloram, pretilachlor, picolinafen, primisulfuron-methyl, propachlor, propanil, propisochlor, prosulfocarb, prosulfuron, pyraflufen-ethyl, pyrazolate, pyrazoxyfen, pyrazosulfuron-ethyl, pyribenzoxim, pyridafol, pyridate, pyridatol, pyriminobac-methyl, pyriothiobac-sodium, quinmerac, quizalofop, quizalofop-ethyl, quizalofop-P-ethyl, quizalofop-P-tefuryl, rimsulfuron, sethoxydim, simazin, sulcotrione, sulfentrazone, sulfosate, sulfosulfuron, terbutylazine, terbutryn, thenylchlor, thiazopyr, thidiazimin, thifensulfuron-methyl, trialkoxydim, triallate, triasulfuron, tribenuron-methyl, triclopyr, tridiphan, trifluralin, triflusulfuron-methyl, tritosulfuron, N-(((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl)-3-(methyl(methylsulfonyl)amino)-2-pyridinesulfonamide WO 9210660 and methyl 2-((((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl)amino)sulfonyl)-4-(((methylsulfonyl)amino)methyl)-benzoate DE 4335297 ; and optionally (c) one or more safeners (antidotes) from oxabetrinil, cyometrinil, fluxofenim, fenclorim, benoxacor, cloquintocet, DKA-24, 1,8-naphthalic acid anhydride, fenchlorazol-ethyl, flurazole, furilazole (MON-13900), AD-67, MG-191, PPG-1292, dichlormid, dymron, BAS-145138, N-(2-methoxy-benzoyl)-4-(methylaminocarbonylamino)-benzenesulfonamide, isoxadifen-ethyl, mefenpyr-diethyl and 2,4-D and its derivatives.

Q1 = O or S;

R1, R2 = 1-5C alkyl optionally substituted with halo;

R3 = H or halo;

R4 = CN, CSNH<sub>2</sub>, or halo;

R5 = NO<sub>2</sub>, CN, COOH, CONH<sub>2</sub>, CSNH<sub>2</sub>, OH, SH, NH<sub>2</sub>, NHOH, SO<sub>2</sub>NH<sub>2</sub>, halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkoxycarbonyl or alkylamino (each with 1-6C and each optionally substituted with CN, OH, 1-4C alkoxy, 1-4C alkyl-CO and/or 1-4C alkoxy-CO), alkenyl, alkynyl, alkenyloxy or alkynyloxy (each with 2-6C and each optionally substituted with CN, COOH, halo and/or 1-4C alkoxy-CO), alkylcarbonylamino, alkoxycarbonylamino, alkylsulfonylamino, N,N-bisalkylsulfonyl-amino or N-alkylcarbonyl-N-alkylsulfonylamino (each with 1-6C in alkyl and each optionally substituted with halo), or N-(phenylcarbonyl, pyridylcarbonyl, furylcarbonyl or thienylcarbonyl)-N-(1-6C alkyl)sulfonyl-amino (optionally substituted with CN, halo, 1-4C alkyl, 1-4C haloalkyl, 1-4C alkoxy or 1-4C haloalkoxy).

ACTIVITY - Herbicide.

MECHANISM OF ACTION - None given.

USE - The agents containing compounds (I), known from DE 3024316 , DE 3514057 , DE 3636318 , EP 220952 , EP 370332 , EP 597360 , EP 609734 , US 4702763 , US 4806145 , US 4818275 , US 4906284 , US 4909831 , US 5035740 , US 5041155 , WO 8501637 , WO 8504307 , WO 8602642 , WO 8604481 , WO 8700730 , WO 8703782 , WO 8809617 , WO 9002120 , WO 9530661 and WO 9937153 , are useful for the selective control of weeds, including problem weeds, in crops, e.g. barley, maize, rice, soya, sunflowers, wheat and sugar cane.

ADVANTAGE - Components (a) and (b) exert a synergistic effect against weeds.

ABSTRACTED-PUB-NO: DE 19962017A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: C03

CPI-CODES: C05-B01G; C06-H; C07-H; C08-D03; C10-A08; C10-A10; C10-A12B; C10-A13D; C10-A15; C10-A18; C10-B01A; C10-B02A; C10-B03A; C10-B04A; C10-C03; C10-D03; C10-G02; C10-G03; C14-S09; C14-V02;

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 9 of 9 returned.**☐ 1. Document ID: US 20030171218 A1

L7: Entry 1 of 9

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030171218

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030171218 A1

TITLE: Substituted 3-heteroaryl(amino- or oxy)pyrrolidin-2-ones, their preparation and use as herbicides or plant growth regulators

PUBLICATION-DATE: September 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bojack, Guido	Wiesbaden		DE	
Willms, Lothar	Hofheim		DE	
Angermann, Alfred	Kriftel/Ts.		DE	
Bieringer, Hermann	Eppstein		DE	
Menne, Hubert	Hofheim		DE	
Auler, Thomas	Bad Soden		DE	

US-CL-CURRENT: 504/221; 504/224, 504/248, 504/266, 504/270, 504/275, 544/137, 544/139, 544/369, 544/370, 544/60, 546/269.1, 546/271.4, 546/272.7, 548/182, 548/225, 548/316.4

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KIMC</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>									

☐ 2. Document ID: US 20030130124 A1

L7: Entry 2 of 9

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130124

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030130124 A1

TITLE: Uracil compounds and use thereof

PUBLICATION-DATE: July 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tohyama, Yoshitomo	Ashiya-shi		JP	
Sanemitsu, Yuzuru	Kobe-shi		JP	
Gotou, Tomohiko	Osaka		JP	

US-CL-CURRENT: 504/243; 544/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc	Image								

KIMC

☐ 3. Document ID: US 20020115567 A1

L7: Entry 3 of 9

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020115567

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020115567 A1

TITLE: Substituted 2-amino-1,3,5-triazines, their preparation, and their use as herbicides and plant growth regulators

PUBLICATION-DATE: August 22, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Giencke, Wolfgang	Hofheim		DE	
Willms, Lothar	Hofheim		DE	
Auler, Thomas	Bad Soden		DE	
Bieringer, Hermann	Eppstein		DE	
Menne, Hubert	Hofheim		DE	

US-CL-CURRENT: 504/231; 544/194

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc	Image								

KIMC

☐ 4. Document ID: US 20020013466 A1

L7: Entry 4 of 9

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020013466

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020013466 A1

TITLE: Uracil compounds and use thereof

PUBLICATION-DATE: January 31, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tohyama, Yoshitomo	Ashiya-shi		JP	
Sanemitsu, Yuzuru	Kobe-shi		JP	
Gotou, Tomohiko	Osaka		JP	

US-CL-CURRENT: 544/311

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc	Image								

KIMC

☐ 5. Document ID: US 20010011063 A1

L7: Entry 5 of 9

File: PGPB

Aug 2, 2001

PGPUB-DOCUMENT-NUMBER: 20010011063

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010011063 A1

TITLE: Substituted 2,4-diamino-1,3,5-triazines, processes for their preparation and their use as herbicides and plant growth regulators

PUBLICATION-DATE: August 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Giencke, Wolfgang	Hofheim		DE	
Willms, Lothar	Hofheim		DE	
Auler, Thomas	Bad Soden		DE	
Bieringer, Hermann	Eppstein		DE	
Rosinger, Christopher	Hofheim		DE	

US-CL-CURRENT: 504/231; 544/212

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 6. Document ID: US 6537948 B1

L7: Entry 6 of 9

File: USPT

Mar 25, 2003

US-PAT-NO: 6537948

DOCUMENT-IDENTIFIER: US 6537948 B1

TITLE: Uracil compounds and use thereof

DATE-ISSUED: March 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tohyama; Yoshitomo	Ashiya			JP
Sanemitsu; Yuzuru	Kobe			JP

US-CL-CURRENT: 504/243; 544/295, 544/296, 544/312, 544/314, 546/243, 548/134, 548/135, 548/356.1, 548/366.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 7. Document ID: US 6451740 B2

L7: Entry 7 of 9

File: USPT

Sep 17, 2002

US-PAT-NO: 6451740

DOCUMENT-IDENTIFIER: US 6451740 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Uracil compounds and use thereof

DATE-ISSUED: September 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tohyama; Yoshitomo	Ashiya			JP
Sanemitsu; Yuzuru	Kobe			JP
Gotou; Tomohiko	Minoo			JP

US-CL-CURRENT: 504/243; 544/312, 544/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 8. Document ID: US 6410484 B1

L7: Entry 8 of 9

File: USPT

Jun 25, 2002

US-PAT-NO: 6410484

DOCUMENT-IDENTIFIER: US 6410484 B1

TITLE: 6-Hydroxy-5,6-dihydrouracil compound and herbicidal composition containing thereof

DATE-ISSUED: June 25, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Minoru	Kameoka			JP
Mishima; Hirofumi	Minoo			JP

US-CL-CURRENT: 504/221; 504/225, 504/243, 544/105, 544/295, 544/309, 544/310, 544/312, 544/314, 544/52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 9. Document ID: US 6403534 B1

L7: Entry 9 of 9

File: USPT

Jun 11, 2002

US-PAT-NO: 6403534

DOCUMENT-IDENTIFIER: US 6403534 B1

TITLE: Uracil compounds and use thereof

DATE-ISSUED: June 11, 2002

## INVENTOR-INFORMATION:



NAME	CITY	STATE	ZIP CODE	COUNTRY
Komori; Takashi	Toyonaka			JP
Sanemitsu; Yuzuru	Kobe			JP

US-CL-CURRENT: 504/243; 544/312, 544/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

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L7: Entry 9 of 9

File: USPT

Jun 11, 2002

DOCUMENT-IDENTIFIER: US 6403534 B1

TITLE: Uracil compounds and use thereof

Brief Summary Text (285):

The present compounds may, for example, be used in admixture with the following herbicides: atrazine, cyanazine, dimethametryn, metribuzin, prometryn, simazine, simetryn, chlorotoluron, diuron, fluometuron, isoproturon, linuron, methabenzthiazuron, propanil, bentazone, bromoxynil, ioxynil, pyridate, butamifos, dithiopyr, ethalfluralin, pendimethalin, thiazopyr, trifluralin, acetochlor, alachlor, butachlor, diethatyl-ethyl, dimethenamid, fluthiamide, mefenacet, metolachlor, pretilachlor, propachlor, cinmethylin, acifluorfen, acifluorfen-sodium, benzfendazole, bifenox, butafenacil, chlomethoxynil, fomesafen, lactofen, oxadiazon, oxadiargyl, oxyfluorfen, carfentrazone-ethyl, fluazolate, flumiclorac-pentyl, flumioxazine, fluthiacet-methyl, isopropazol, sulfentrazone, thidiazimin, azafenidin, pyraflufen-ethyl, cinidon-ethyl, difenzoquat, diquat, paraquat, 2,4-D, 2,4-DB, clopyralid, dicamba, fluroxypyr, MCPA, MCPB, mecoprop, quinclorac, triclopyr, azimsulfuron, bensulfuron-methyl, chlorimuron-ethyl, chlorsulfuron, cloransulam-methyl, cyclosulfamuron, diclosulam, ethoxysulfuron, flazasulfuron, flucarbazone, flumetsulam, flupyrsulfuron, halosulfuron-methyl, imazosulfuron, indosulfuron, metosulam, metsulfuron-methyl, nicosulfuron, oxasulfuron, primisulfuron-methyl, procarbazone-sodium, prosulfuron, pyrazosulfuron-ethyl, rimsulfuron, sulfometuron-methyl, sulfosulfuron, triasulfuron, tribenuron-methyl, tritosulfuron, thifensulfuron-methyl, triflusulfuron-methyl, pyribenzoxim, bispyribac-sodium, pyriminobac-methyl, pyriithiobac-sodium, imazameth, imazamethabenz-methyl, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, tepraloxym, alloxym-sodium, clethodim, clodinafop-propargyl, cyhalofop-butyl, dichlofop-methyl, fenoxaprop-ethyl, fenoxaprop-p-ethyl, fluazifop-butyl, fluazifop-p-butyl, haloxyfop-methyl, quizalofop-p-ethyl, sethoxydim, tralkoxydim, diflufenican, flurtamone, norflurazone, benzofenap, isoxaflutole, pyrazolate, pyrazoxyfen, sulcotrione, clomazone, mesotrione, isoxachlortole, bialaphos, glufosinate-ammonium, glyphosate, sulfosate, dichlobenil, isoxaben, benthocarb, butylate, dimepiperate, EPTC, esprocarb, molinate, pyributicarb, triallate, iflufenzopyr, bromobutide, DSMA, MSMA, cafenstrol, daimron, epoprodan, flupoxam, metobenzuron, pentoxazone, piperophos, triaziflam, beflubutamid, benzobicyclon, clomeprop, fentrazamide, flufenacet, florasulam, indanofan, isoxadifen, mesotrione, naploanilide, oxaziclomefone, pethoxyamid, phnothiol, and pyridafol.